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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,415	11/20/2006	Hideki Ohata	Q77832	2945
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			EXAMINER	
			FANG, SHANE	
SUITE 800 WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			05/15/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/573,415	OHATA ET AL.
Office Action Summary	Examiner	Art Unit
	SHANE FANG	1796
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING DESTRICTION OF THE MAILING	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be till will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 27 € This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) Claim(s) <u>1-32</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) <u>1-32</u> are subject to restriction and/or	awn from consideration.	
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat* * See the attached detailed Office action for a list 	nts have been received. nts have been received in Applicatority documents have been receiveu (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal 6) Other:	oate

DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-11 drawn to copolymers and doped copolymers comprising pyrrole and thiophene units

Group II, claim(s) 12-19 drawn to methods of producing copolymers and doped copolymer comprising pyrrole and thiophene units

Group III, claim(s) 20-22 drawn to articles comprising copolymers comprising pyrrole and thiophene units

Group IV, claim(s) 22-32 drawn to capacitors and methods of producing thereof comprising copolymers comprising pyrrole and thiophene units.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the common technical feature in all groups is copolymers comprising pyrrole and thiophene units. This element cannot be a special technical feature under PCT Rule 13.2 because the element is shown in the prior art. **US 4769430** (claims 1-2) listed on IDS discloses

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copolymers comprising pyrrole and thiophene units having the following structure that reads on the copolymer structure recited in instant claim 1, when m=n=0.5:

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1. A five-membered heterocyclic compound polymer substantially constituted of repeat units represented by the following general formula wherein a thiophene ring is directly bonded to a pyrrole ring at the 2- and 2'-positions, respectively:

wherein each of R₂, R₃, R₄, R₅ and R₇ is selected from the group consisting H, alkyl, halogen, hydroxyl, carboxyl or a salt thereof, aryl and araikyl groups.

2. A five-membered heterocyclic compound polymer as claimed in claim 1, wherein R_2 , R_3 , R_4 , R_5 and R_7 are hydrogen atoms.

A telephone call was made to Bruce E Kramer on 04/28/2009 to request an oral election to the above restriction requirement, but did not result in an election being made.

Affirmation of this election must be made by applicant in replying to this office action. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even through the requirement be traversed (37 CFR 1.143).

Conclusions

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANE FANG whose telephone number is (571)270-7378. The examiner can normally be reached on Mon.-Thurs. 8 a.m. to 6:30 p.m. EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone

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number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

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Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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Sf

/Randy Gulakowski/

Supervisory Patent Examiner, Art Unit 1796